Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 6.1.3
Input Device:	Carousel	Date:	07/24/2017 11:05 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	07/17/2017 11:48 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product: CST Setup Beads, Part #: 910723
Lot ID: 25720, Expiration Date: 06/30/2017 (Expired)
Bead Lot Information: Available

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	123491	-2	1.22	123320	1.18
Blue	F	SSC	125000	123942	-1	2.88	124170	2.73
Blue	E	FITC	23795	22968	-4	2.40	1025	10.30
Blue	D	PE	29673	28926	-3	1.93	1038	9.80
Blue	B	PerCP-Cy5-5	48943	48025	-2	3.34	1383	16.83
Blue	A	PE-Cy7	44112	43539	-2	5.14	677	36.70
Red	C	APC	54273	53722	-2	2.79	3094	9.41
Red	A	APC-Cy7	54945	54351	-2	2.71	1148	11.25
Violet	B	V450	15756	15119	-5	4.22	723	8.91
Violet	A	V500	62569	61636	-2	3.99	2734	6.50

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	19246	2.78	608	-6	N/A	N/A	Pass
Blue	F	SSC	61488	1.38	541	-5	N/A	N/A	Pass
Blue	E	FITC	114	39.20	545	-5	0.0204	166	Pass
Blue	D	PE	227	30.17	542	-4	0.1695	306	Pass
Blue	B	PerCP-Cy5-5	215	45.48	632	-7	0.0102	118	Pass
Blue	A	PE-Cy7	72	121.30	689	-10	0.0109	10	Pass
Red	C	APC	365	26.91	597	-3	0.0205	36	Pass
Red	A	APC-Cy7	126	40.81	575	-9	0.0054	1667	Pass
Violet	B	V450	87	42.95	474	2	0.0527	2360	Pass
Violet	A	V500	196	22.86	503	4	0.0149	483	Pass

Specifications

PMTV Delta from baseline: 50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Spec. (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-31.95	-31.34	0.82
Blue	20.35	16.27 - 24.41	1.26	0.99 - 1.49	0.00	0.00	1.32
Red	18.83	13.27 - 19.91	N/A	N/A	31.51	31.99	1.16

Window Extension: 7.00
FSC Area Scaling Factor: 0.88

Threshold

Threshold (FSC): 9659

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.70
Spec.: 3.80 - 4.00

Comments